

**TABLE 1. Documented *Arabis falciflucta* sites, all in Elko County, Nevada unless otherwise indicated.**

Site	NV EO	MAP fig.	Source, Year*	Site name; map quadrangle Land survey location	Est. Acres	Elevation Range (ft)	Est. Plants Plants/acre	Threats ***	Management**
<b>HISTORICAL SITES PRESUMED EXTANT</b>									
1	001	2	h 1979	Type; Harris Canyon(?) T42N R64E S19 (?)	(?)4.3	5970?	(?) 68 15.7 (?)	fgr?	e
<b>HISTORICAL SITES REDOCUMENTED</b>									
2	002	3 f3-5	hn 1991	San Jacinto NW; Jackpot T46N R64E S10 NE of SE of NW	1.9	5300-5360 105	200	fgr*	en?
3	003	4	hn 1992	Shoshone Mountains; Mount Airy NE <b>Lander Co.</b> , T21N R41E S13 NW	3.9	5930-6000 5.1	20	fg*m	b
3	3	<b>= = = HISTORIC SUBTOTAL = = =</b>				<b>10.1</b>	<b>5300-6000</b> <b>28.5</b>	<b>288</b>	<b>fg*mr*</b>
<b>NEW SITES DOCUMENTED</b>									
4	004	5	n 1991	Eagle Flat; Harris Canyon T43N R63E S24 S of S	13.0	5700-5820 19.2	250	fg	e
5	005	5	n 1991	Eagle 5832; Harris Canyon T43N R63E S24 SW of NE of SW	1.7	5750-5820 14.7	25	fg	e
6	006	3	n 1991	San Jacinto turnoff; Jackpot T46N R64E S10 SE of SE of SW	0.1	5320 10	1	fgr*	en?
7	007	6	n 1991	San Jacinto Ranch SW; Middle Stack Mtn. T46N R64E S21/22	3.2	5420-5500 2.2	7	fg*r	e
8	008	7	n 1992	Eagle Flat SE; Knoll Mountain T43N R64E S33 NW of NW	8.3	6040-6100 1.8	15	f*g*r*	e
9	009	8	n 1992	Thousand Springs Valley 5973; Wilkins T42N R64E S31 SE of SE of SW	2.1	5900-5965 9.5	20	fg*	e
6	6	<b>= = = NEW ARABIS FALCIFRUCTA SITES = = =</b>				<b>28.4</b>	<b>5320-6100</b> <b>11.2</b>	<b>318</b>	<b>f*g*r*</b>
9	9	<b>= GLOBAL ARABIS FALCIFRUCTA POPULATION =</b>				<b>38.5</b>	<b>5300-6100</b> <b>15.7</b>	<b>606</b>	<b>f*g*mr*</b>
<b>ben?</b>									

**NV EO** = Element Occurrence number in the Nevada Natural Heritage Program database. **MAP/fig.:** X = map in appendix 3, fX = figure in appendix 2.

\* **Year:** year most recently documented. **Source:** **h:** Historical records; **n:** Nevada Natural Heritage Program surveys (1991–1992, 1997).

\*\* **Land Management (with approximate % of total populations):** **b:** Bureau of Land Management, Battle Mountain District (10%); **e:** Bureau of Land Management, Elko District (>89%); **n:** Nevada Department of Transportation right-of-way (<1%); **p:** private/municipal/county (0%).

\*\*\* **Threats:** **f:** fire and fire suppression; **g:** animal grazing/trampling; **m:** mineral exploration/development; **r:** road development/maintenance and associated ORV activity; \*: significant near-term impacts present or anticipated.

**TABLE 2. Sites searched where unoccupied by *Arabis falciflora*, all in Elko County, Nevada unless otherwise indicated.**

Site	NV EO	MAP	Source, Year*	Site name; map quadrangle Land survey location	Est. Acres	Elevation Range (ft)	Est. Plants	Threats ***	Manage- ment**
<b>U1</b>		2	n 1991	Type S; Harris Canyon and Wilkins T42N R64E S29/30	85	5990-6045		fgr*	en
<b>U2</b>		3	n 1991	San Jacinto NW; Jackpot T46N R64E S10	39	5240-5370		fgr*	en
<b>U3</b>		3	n 1991	San Jacinto turnoff; Jackpot T46N R64E S10/15	11	5300-5340		fgr*	en
<b>U4</b>		3	n 1991	San Jacinto NE; Jackpot T46N R64E S12 S	37	5170-5200		fgr*	p
<b>U5</b>		4	n 1992	Shoshone Mountains; Mount Airy NE <b>Lander Co.</b> , T21N R41E S13	61	5890-6060		fg*m*r*	b
<b>U6</b>		5	n 1991	Eagle Flat; Harris Canyon T43N R63E S24/25	79	5680-5840		fgr*	en
<b>U7</b>		6	n 1991	San Jacinto Ranch SW; Middle Stack Mtn. T46N R64E S21/22	17	5350-5520		fg*r*	e
<b>U8</b>		7	n 1992	Eagle Flat SE; Knoll Mountain T43N R64E S28/29/32/33	243	5930-6245		f*g*r*	e
<b>U9</b>		8	n 1992	Thousand Springs Valley 5973; Wilkins T41/42N R63/64E S1/6/31	104	5830-5973		fg*r*	e
<b>U10</b>		8	n 1991	Thousand Springs Creek; Wilkins T41N R64E S17 NW	28	5700-5770		fg*r*	p
<b>U11</b>		8	n 1991	Thousand Springs Valley N US93; Wilkins T41/42N R64E S5/32	26	5900-5965		fgr*	en
<b>U12</b>		9	n 1991	Jackpot SW 5459; Jackpot T47N R64E S33 W	65	5420-5550		fgr*	e
<b>U13</b>		9	n 1991	Jackpot SW 5683; Jackpot T47N R64E S32/33	68	5440-5680		fgr*	e
<b>U14</b>		10	n 1991	Contact NNE 5312; Middle Stack Mtn. T45N R64E S9 NW	20	5310-5365		fgmr*	pn
<b>U15</b>		11	n 1991	Mahogany Basin; Contact T46N R63E S24/25	88	5890-6150		fgmr*	e
<b>U16</b>		12	n 1997	White House Ranch NE; Vigus Butte NW <b>Lander Co.</b> , T21N R43E S19/20	40	5575-5665		fgr*	bn
<b>U17</b>		12	n 1997	Skull 5671; Vigus Butte NW <b>Lander Co.</b> , T21N R43E S32	32	5615-5665		fgr*	bn
<b>17 sites</b>	<b>==== TOTAL UNOCCUPIED SITES ===</b>				<b>1043</b>	<b>5170-6245</b>		<b>f*g*m* r*</b>	<b>benp</b>

NV EO = Element Occurrence number in the Nevada Natural Heritage Program database. MAP: map in Appendix 3.

\* Year, \*\* Land Management, \*\*\* Threats: see table 1.

**TABLE 3.** Plant species observed at selected *Arabis falciflora* sites, indicated with + where present. Nomenclature follows the *Jepson Manual* (Hickman 1993) or *Intermountain Flora* (Barneby 1989; Cronquist 1994; Cronquist et al. 1972, 1977, 1984, 1997). Site numbers are from table 1.

Taxon***	Average Elevation (ft)	Site Number: 2/6	3	4/5	7	9
		<b>5330</b>	<b>5965</b>	<b>5760</b>	<b>5460</b>	<b>5933</b>
<b>NON-VASCULAR PLANTS</b>		+	+	+	+	+
unidentified soil moss		+	+	+	+	+
<b>TREES</b>			+			
<i>Pinus monophylla</i>			+			
<b>SHRUBS</b>		+	+	+	+	+
<i>Artemisia tridentata wyomingensis</i>		+	+	+	+	+
<i>Artemisia nova</i>				+	+	+
<i>Chrysothamnus viscidiflorus puberulus</i>		+	+	+	+	+
<i>Ephedra viridis</i>			+			
<i>Eriogonum microthecum</i> var.			+	+		
<i>Grayia spinosa</i>		+	+	+		+
<i>Krascheninnikovia lanata</i>				+	+	
<i>Leptodactylon pungens</i>			+	+		+
<b>SUCCULENTS</b>		+		+	+	+
<i>Opuntia erinacea</i>		+			+	+
<i>Pediocactus simpsonii</i>		+		+	+	
<b>GRAMINOIDES</b>		+	+	+	+	+
<i>Achnatherum hymenoides</i>		+	+	+		+
<i>Agropyron cristatum</i>	***	+				
<i>Elymus elymoides</i>		+		+	+	
<i>Hesperostipa comata</i>		+	+			
<i>Leymus triticoides</i>						+
<i>Poa secunda secunda</i>		+	+	+	+	+
<b>NON-GRAMINOID PERENNIAL HERBS</b>		+	+	+	+	+
<i>Arabis cobrensis</i>			+			+
<i>Arabis falciflora</i>		+	+	+	+	+
<i>Arabis holboellii</i>				+	+	
<i>Arabis puberula</i>		+			+	
<i>Arabis sparsiflora sparsiflora</i>				+		+
<i>Crepis acuminata</i>			+			
<i>Erigeron</i> sp.		+			+	
<i>Eriogonum ovalifolium ovalifolium</i>		+	+	+	+	+
<i>Phlox hoodii</i>		+	+		+	
<i>Phlox longifolia</i>					+	
<i>Thelypodium flexuosum</i>						+
<b>NON-GRAMINOID ANNUALS/BIENNIALS</b>						+
<i>Cryptantha circumscissa</i>						+
<i>Cryptantha watsonii</i>						+
<i>Descurainia sophia</i>	***					+
<i>Phacelia glandulifera</i>						+

\*\*\* indicates non-indigenous species.

**TABLE 4. Status of other endangered, threatened, sensitive, and watch-list species reported in or near the geographic range of *Arabis falciflora*.**

TAXON NAME		AGENCY STATUS					NV HERITAGE PROGRAM RANKS	
Scientific	Vernacular	Federal			NV	NN NPS	Global	
		FWS	BLM	FS			Global	State
<b>ANIMALS</b>								
<i>Anodonta californiensis</i>	California floater	<2	N				4	1?
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	<2	N	S			4	3?
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	S	T	P		4	1
<i>Myotis ciliolabrum</i>	western small-footed myotis	<2	N				5	3
<i>Polites sabuleti pallida</i>	pallid skipper						2	2
<i>Rana luteiventris</i>	Columbia spotted frog	C	S	S			4	2 3
<b>PLANTS</b>								
<i>Artemisia packardiae</i> *	Packard mugwort					D	3	2
<i>Asclepias eastwoodiana</i> *	Eastwood milkweed	<2	N	S		W	2Q	2
<i>Eriogonum anemophilum</i> *	windloving buckwheat	<2	N			W	2 3	2 3
<i>Eriogonum beatleyae</i> *	Beatley buckwheat					D	2Q	2
<i>Phacelia glaberrima</i> *	Reese River phacelia					D	2 3	2 3

\* documented on or near *Arabis falciflora* sites.

**FWS** (Endangered Species Act administered by U. S. D. I. Fish and Wildlife Service): **C**: candidate; **T**: threatened; **<2**: former category-2 candidate.

**BLM** (U. S. D. I. Bureau of Land Management): **N**: Nevada Sensitive; **S**: Special Status (other) in Nevada.

**FS** (U. S. D. A. Forest Service): **S**: Sensitive (Region 4); **T**: FWS listed threatened.

**NV** (State of Nevada wildlife law protection/regulation): **P**: protected.

**NNPNS** (Northern Nevada Native Plant Society): **D**: delisted; **W**: watch list.

**NV Heritage Program Ranks:** **Global**: worldwide; **State**: within Nevada; **1**: critically imperiled; **2**: imperiled; **3**: vulnerable; **4**: apparently secure; **5**: demonstrably secure; **Q**: questionable taxonomy.

**TABLE 5. Specimens documenting known and reported *Arabis falciflora* sites.**

Site Number and Name	Collector and Number	Date	Repository*
<b>1. Type</b>	<i>Rollins &amp; Rollins 79267</i>	18 June 1979	GH, NY
<b>2. San Jacinto NW</b>	<i>Ripley &amp; Barneby 6465</i> <i>Morefield 5570</i>	30 May 1945 26 July 1991	GH NSMC, BLM-Elko
<b>3. Shoshone Mountains</b>	<i>Goodrich 12746</i>	18 June 1979	GH
<b>4. Eagle Flat</b>	<i>Morefield 5572</i>	27 July 1991	NSMC, BLM-Elko
<b>8. Eagle Flat SE</b>	<i>Morefield 5644</i>	6 June 1992	NSMC
<b>9. Thousand Springs Valley</b>	<i>Morefield 5639.0</i>	5 June 1992	NSMC

\* Abbreviations from Holmgren *et al.* (1990). See table 1 for site descriptions.